



GY Series lead-acid battery

GY6-EVF-135AP

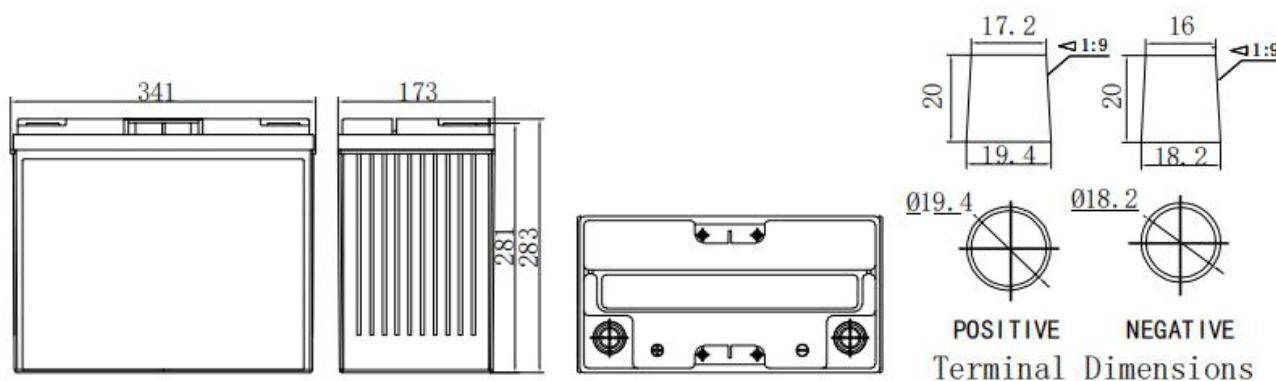


General Features

- ▶ High corrosion resistant performance: Pb-Ca multi-alloy grid
- ▶ High energy density and power density
- ▶ Optimized capability of instant high-current discharging
- ▶ Excellent charge acceptance ability
- ▶ Excellent deep cycle discharge capability
- ▶ Strong high and low temperature performance
- ▶ Precision sealing technology
- ▶ Long life



Dimension: 341(L) × 173(W) × 281(H) × 284(TH) / (±3) Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	135Ah@20Hpur-rate to 1.75V per cell @25°C
Design life	10 years
Terminal	AP
Approx. Weight	Approx. 41.2kg ± 3% (90.8lbs ± 3%)
Container Material	ABS(UL94HB-UL94V0 optional)
short-circuit current	2400A
Internal resistance(Full charged at 25°C:)	5.0 mΩ
Self discharge	3% of capacity declined per month at 25°C

Operating Temperature

Discharge:	-20 ~50°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)

Charge Method(25 °C)

Charge current:	Max. 33.75A; Recom. 13.5A
Float charge: 13.5-13.8V	recom. 13.8V(-18mV/ °C)
Equalize charge: 13.8-14.1V	recom. 14.1V(-24mV/ °C)
Cycle charge: 14.4-15.0V	recom. 14.7V(-30mV/ °C)

Standards

Executive standard GB/T 32620.1-2016

Applications

- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting, Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

Rated Capacity

20Hour Rate (6.75A to 10.5V)	135.0Ah
3Hour Rate (35.9A to 10.2V)	107.7Ah
1Hour Rate (83.3A to 9.6V)	83.3Ah

Attain Certificate

ISO 9001 CGM	ISO 14001 CGM	OHSAS 18001 CGM	RoHS
UL	CE	FC	PS E

Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

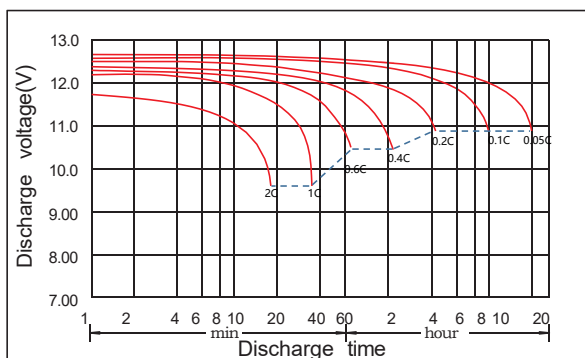


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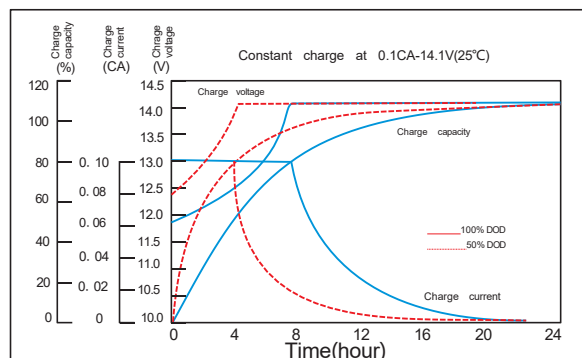
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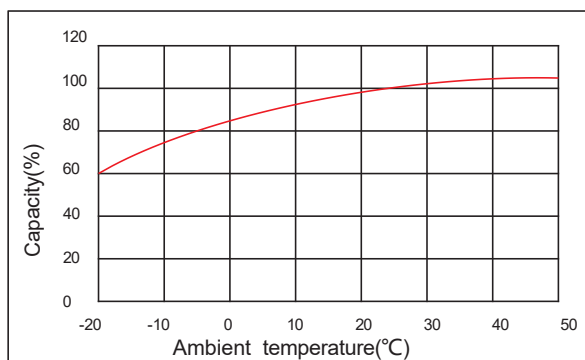
Discharge characteristic



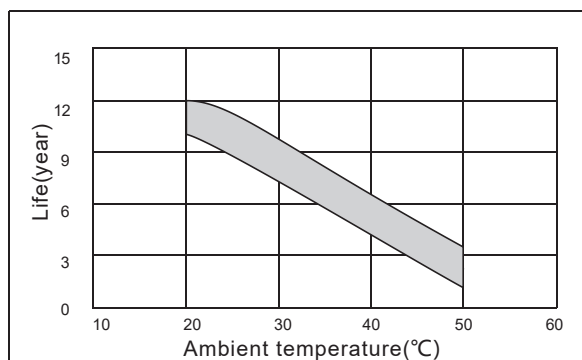
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	224	135	105	83.3	56	51.4	36.9	26.7	24.8	19.8	16.3	13.7	7.05
1.65V	213	133	103	82.6	55.3	50.7	36.5	26.4	24.6	19.6	16.1	13.6	6.95
1.70V	210	130	102	82	54.7	50	35.9	26.2	24.3	19.4	16	13.4	6.85
1.75V	208	129	101	81	54.3	49.4	35.6	26	24	19.2	15.9	13.3	6.75
1.80V	190	124	97.5	78.7	53.7	48.4	35.2	25.7	23.3	19	15.7	13.2	6.65
1.85V	172	113	89.6	73.1	52	46.1	33.3	25	22.2	18.4	15.1	12.8	6.49

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	403	243	194	159	109	99.6	71.5	51.8	48	38.5	31.7	26.7	13.8
1.65V	383	239	191	158	107	98.4	70.9	51.3	47.7	38.2	31.5	26.5	13.6
1.70V	379	235	189	157	106	97	69.6	50.8	47.1	37.6	31.3	26.2	13.4
1.75V	375	233	188	155	105	95.7	69	50.3	46.6	37.3	31	26	13.2
1.80V	343	223	180	150	104	93.9	68.3	49.9	45.3	36.8	30.7	25.7	13
1.85V	312	204	167	140	101	89.9	64.8	48.7	43.3	36	29.6	25.1	12.8